Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) ~~Discharge vessel (1) with~~ A high-pressure burner comprising:

at least one end closure member, and

a discharge vessel that includes at least one end part, ~~(2)~~ and a discharge cavity ~~(3), characterized in, that~~

wherein:

at least one coating layer ~~(4) is~~ and a sealant are located and gas-tight connected between ~~an~~ the end part ~~(2)~~ of ~~said~~ the discharge vessel ~~(1)~~ and ~~a sealant (5) and/or between a sealant (5) and an~~ the end closure member ~~(9) wherein the coating is between the sealant and the end of the discharge vessel,~~

the end closure member includes a feed-through opening for filling the discharge cavity, and

an electrode extends through the feed-through opening and is gas-tight connected to the end closure member.

2. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the gas-tight bonding of the coating layer ~~(4)~~ and the sealant to the discharge vessel ~~(1), to a sealant (5), and/or to an~~ and the end closure member ~~(9)~~ is stronger ~~compared to the~~ than a direct gas-tight bonding of ~~said~~ the sealant ~~(5)~~ to ~~said~~ the end closure member ~~(9) and/or~~ and discharge vessel ~~(1)~~.

3. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the coating layer ~~(4)~~ has an expansion coefficient in the range between $4 \cdot 10^{-6}$ K^{-1} and $12 \cdot 10^{-6}$ K^{-1}.

4. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the coating layer ~~(4)~~ is chemically resistant towards oxides and iodides.

5. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the coating layer ~~(4)~~ is of a material comprising at least Mo.

6. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the coating layer ~~(4)~~ covers the at least one end part ~~at least the end parts (2) of the discharge vessel (1) of the end closure device (7)~~.

7. (canceled)

8. (Currently amended) ~~Gas-tight high-pressure burner (6) according to claim 7 comprising at least one end closure member (9) with at least one feed-through (8), wherein the end closure member (9) has at least one feed-through opening, whereby~~ The high-pressure burner of claim 1, wherein a cross-section of the feed-through opening ~~cross-section~~ varies along a longitudinal axis of the end closure member ~~(9) longitudinal axis~~.

9. (Currently amended) ~~Gas-tight high-pressure burner (6) with coating layer (4)~~ An automotive headlamp comprising:

a discharge vessel ~~(1) with at least one~~ that includes an end part ~~(2)~~ and a discharge cavity,

an end closure member that includes a feed-through opening for filling the discharge cavity, and

an electrode that extends through the feed-through opening and is gas-tight sealed to the end closure unit ~~(3)~~, ~~characterized in, that~~

wherein at least one coating layer ~~(4) is~~ and sealant are located and gas-tight connected between ~~an~~ the end part ~~(2)~~ of ~~said~~ the discharge vessel ~~(1)~~ and ~~a sealant (5) and/or between a sealant (5) and an~~ the end closure member ~~(9) and at least one end closure device (7) and at least one feed-through (8),, wherein the lamp is arranged in an automotive headlamp unit~~.

10. (Currently amended) ~~Method~~ A method of manufacturing a gas-tight high-pressure burner ~~(6), comprising~~ that includes an ~~a) at least one~~ end closure member ~~(9), b) at least two~~ a feed-through electrode ~~members (8), c) at least one connection means (10), d) at least one sealant (5),~~ and ~~e) at least one~~ a discharge vessel ~~(1) with a coating layer (4), wherein the manufacturing method comprises the steps~~ comprising:

coating at least one of the end closure member and the discharge vessel with a coating layer,

gas-tight connecting the end closure member to the discharge vessel using a sealant,

~~i)~~ filling ~~said~~ the discharge vessel ~~(1)~~ with an ionisable filling through ~~at least one~~ a feed-through opening in the end closure member, and

~~ii)~~ closing ~~said~~ the feed-through opening by ~~arranging a feed-through (8) in said~~ inserting the feed-through electrode through the feed-through opening ~~followed by~~ and gas-tight connecting ~~said~~ the feed-through electrode ~~(8)~~ to the end closure device ~~(7) and/or to the discharge vessel (1) with connection means, whereby a gas-tight high-pressure burner (6) is obtained~~.

11. (currently amended) A headlight suitable for use in a motor vehicle comprising:

a lamp~~, the lamp comprising~~ that includes a gas-tight high-pressure burner,

the burner ~~comprising~~ including:

at least one metal halide discharge vessel ~~comprising~~ that includes at least one end part[[;]] and a discharge cavity;

at least one end closure member;

at least one sealant between the end closure member and the end part;

at least one feed-through opening in the end closure member for high-pressure filling the discharge cavity,

at least one feed-through electrode that extends through the feed-through opening and seals the feed-through opening via a gas-tight connection to the end closure member ~~at least one gas-tight connection between a feed-through member and the end closure member~~; and

at least one gas-tight connected coating layer covering one or more of the end part of the discharge vessel~~, the sealant,~~ and the end closure device, gas-tight bonding of the end closure member and the discharge vessel via the coating being stronger than gas-tight bonding of ~~the sealant to~~ the end closure member and/~~or~~ the discharge vessel via the sealant.

12. (Previously presented) The headlight of claim 11 wherein the coating layer has an expansion coefficient in the range between $4 \cdot 10^{-6}$ K^{-1} and $12 \cdot 10^{-6}$ K^{-1} for temperatures in the range 298 K to 2174 K.

13. (Previously presented) The headlight of claim 11 wherein the coating layer is chemically resistant towards oxides and iodides.

14. (Previously presented) The headlight of claim 11 wherein the coating layer comprises a material selected from the group comprising at least W, Mo, and/or Pt.

15. (Currently amended) The headlight of claim 11, wherein the sealant and the ~~connection~~ electrode comprise materials that are needed for welding, laser welding, resistance welding, soldering, brazing, bonding with adhesive materials, primary shaping, sintering, sealing or any combination thereof.

16. (Currently amended) The headlight of claim 11, ~~further comprising at least one opening through the end closure and the end part; and at least one feed-through member passing through the opening, the feed-through being suitable for introducing first a filling into the discharge vessel after the end closure is sealed to the discharge vessel, and second an~~ wherein the electrode is introduced into the feed-through opening after the discharge vessel is filled.

17. (Currently amended) The headlight of claim 16, wherein the feed-through opening has an outer cross section area and an inner cross section area nearer the discharge cavity, and the outer cross section area is greater than or equal to the inner cross section area.

18. (Currently amended) The headlight of claim 11, wherein the end closure device is made of a functionally graded cermet material including first and second materials denominated A and B arranged such that, in select portions, ~~in some portions~~ concentration of compound A substantially increases where component B decreases causing gradients of both A and B, while an outer layer has a constant concentration of A and B.

19. (Previously presented) The headlight of claim 18, wherein compound A comprises Al_2O_2 and compound B comprises Mo.

20. (cancelled)

21. (Currently amended) A method of assembling a lamp comprising:

first sealing at least one cap ~~(9)~~ to a discharge vessel, the cap comprising an opening, the sealing process comprising increasing temperature and/or pressure within the vessel and using a sealant and a coating;

after sealing, filling the vessel with at least one desired salt and/or at least one desired filling gas, through the opening;

positioning at least one electrode in the opening after the vessel is filled, such that the electrode extends through the opening and into the discharge vessel; and

second sealing the electrode in the opening using a technique resulting in substantially less temperature and pressure increase within the vessel than was required by the first sealing, so that the sealing and coating from the first sealing are not damaged by temperature and pressure from contents of the vessel.

22. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the coating layer ~~(4)~~ is of a material comprising at least Pt.

23. (Currently amended) ~~Discharge vessel (1) according to~~ The high-pressure burner of claim 1, ~~characterized in, that~~ wherein the coating layer ~~(4)~~ is of a material comprising at least W.